[0222] For example, software which describes in a computer readable format a procedure for changing the system state and an application processing operation according to the result of recognition of a human body can be installed into the HDD **214**. Multi-dimensional values for user authentication processing, obtained from the human-body detection apparatus **70** may be stored in the HDD **214** in a non-volatile manner.

[0223] The media drive **215** is an apparatus in which portable media such as CDs (compact discs), MOs (magneto-optical discs), and DVDs (digital versatile discs) are loaded and which accesses the data recording surfaces thereof.

[0224] Portable media are mainly used for backing up data such as software programs and data files in a computer readable format and for transferring (that is, including sales, circulation, and distribution) them between systems. For example, software which describes in a computer readable format a procedure for changing the system state and an application processing operation according to the result of recognition of a human body can be circulated and distributed physically among a plurality of units by using the portable media. Multi-dimensional values for user authentication processing, obtained from the human-body detection apparatus **70** may be transferred among systems through the portable media.

[0225] Examples of the computer **200** shown in **FIG. 25** include the compatibles or subsequent models of the personal computer PC/AT (Personal Computer/Advanced Technology) manufactured by the International Business Machines Corporation. It is also possible that the present invention is applied to computers having other architectures as the computer **200** according to the present embodiment.

[0226] In the computer **100** described above, the following states of use of the user can be identified according to the human-body detection signals R_{XL}, R_{XR}, and R_{XM} obtained from the user input apparatus **1**.

[0227] State **1**: Both hands are put on the keyboard **10**.

[0228] State **2**: The left hand is put on the keyboard **10** and the right hand is put on the mouse **30**.

[0229] State **3**: Only one hand (the left hand, for example) is put on the keyboard **10**.

[0230] State **4**: The left hand is used to hold the portable telephone **50**, and the right hand is put on the keyboard **10**.

[0231] In the computer **200** connected to the user input apparatus **1** according to the present invention, for example, while an editing tool such as a drawing editor is activated, the operation can be changed according to the identification of the state **1** or the state **2**. For example, while the state **1** is being detected, the keyboard **10** operates as text input mode. In response to the detection of the state **2**, the mode is automatically changed to command key mode in which command keys (such as drawing generation and line-type identification) for supporting mouse operations are assigned to the left-hand part of the keyboard **10**. The user does not need to input a special command to change the mode.

[0232] In **FIG. 26**, a processing procedure for changing the operation of the computer **200** in response to the identification of the state **1** or the state **2** while an editing tool such as a drawing editor is activated is shown in a flowchart form. This processing procedure is implemented, for example, in a form in which the CPU **201** executes predetermined program code. The processing procedure for changing the operation of the computer **200** will be described below by referring to the flowchart.

[0233] In step **S1**, it is determined whether both hands of the user are placed on the keyboard **10** while an editing tool such as a drawing editor is activated in the computer **200**.

[0234] When the state **1**, in which both hands of the user are placed on the keyboard **10**, is identified, the procedure proceeds to step **S3** from the branch "Yes" of a determination block **S2**, and the entire keyboard **10** is operated in text input mode according to a usual key assignment.

[0235] When the state **1** is not identified, the procedure proceeds to step **S4** from the branch "No" of the determination block **S2**, and it is further determined whether the right hand of the user is placed on the mouse **30**.

[0236] When the state **2**, in which the right hand of the user is placed on the mouse and only the left hand is placed on the keyboard **10**, is identified, the procedure proceeds to step **S6** from the branch "Yes" of a determination block **S5**, and the mode is changed to command key mode, in which command keys for supporting mouse operations are assigned to the left-hand part of the keyboard **10**.

[0237] The computer **200** can perform netsurfing in a WWW (world wide web) space structured on the Internet, by using a web browser (known). In the computer **100** connected to the user input apparatus **1** according to the present invention, command keys for web navigation can be automatically assigned to the right-hand part of the keyboard in response, for example, to the detection of the state **3** while the web browser is activated. A memo tool for a portable telephone can be automatically activated and the text input mode of the tool is automatically set to a one-hand keyboard/*/ in response to the detection of the state **4**, in which the left hand is used to operate an information communication terminal such as the portable telephone **50**. The user does not need to give an explicit command to the computer **100** to change the mode. The system can detect the form of use of the user to appropriately change the processing.

[0238] In **FIG. 27**, a processing procedure for changing the operation of the computer **200** in response to the identification of the state **3** or the state **4** while a web browser is activated is shown in a flowchart form. This processing procedure is implemented, for example, in a form in which the CPU **201** executes predetermined program code. The processing procedure for changing the operation of the computer **200** will be described below by referring to the flowchart.

[0239] In step **S11**, it is determined whether only one hand of the user is placed on the keyboard **10** while a navigation tool such as a web browser is activated in the computer **200**.

[0240] When the state **3**, in which only one hand of the user is placed on the keyboard **10**, is identified, the procedure proceeds to step **S13** from the branch "Yes" of a determination block **S12**, and key commands for web navigation are assigned to keys at an area where the user's hand is placed on the keyboard **10**.